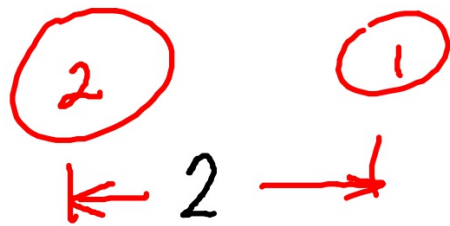


PART I



$$F_G \propto \frac{m_1 m_2}{d^2}$$

$$F_G \propto$$

$$\frac{2 \cdot 1}{2^2}$$

$$\frac{2}{4}$$

$$\frac{1}{2}$$

.5N

PART 2 UNITS OF MEASURE

Centripetal Force N

TANGential velocity m/s

ANGULAR velocity rpm

RADIUS - m

PERIOD - s

CIRCUMference m

Which letter
rep's

1. ANGULAR
velocity

A

2. Centripetal
force

D

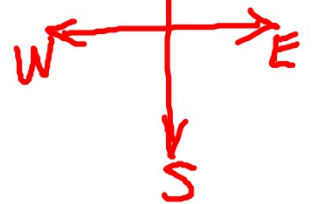
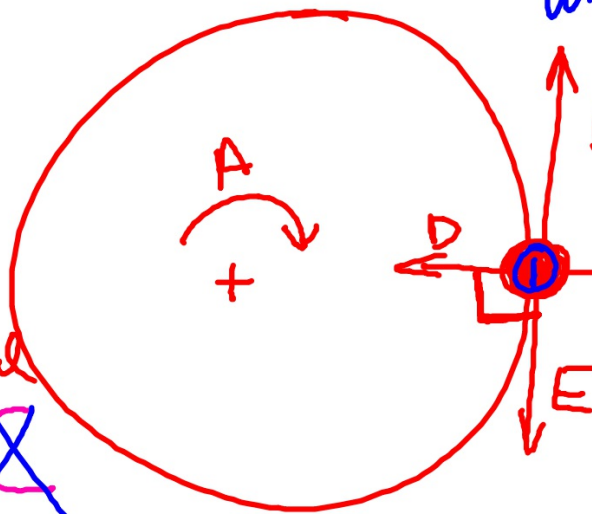
3. TANGential velocity

~~DE~~

4. Which direction
will the Discus
go if the

Guy let it
go @ point
#1

SOUTH

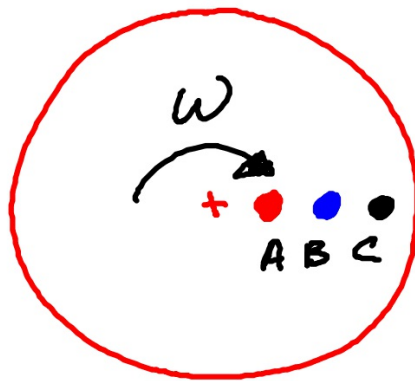


① Which Dot has the greatest Angular Velocity?

All the same

② Which one has the least TANGENTIAL v ?

~~A~~



③ Which one has the greatest Centripetal Force?

~~C~~

Relationships

$v_T \uparrow$ $r \uparrow$

$F_c \uparrow$ $r \uparrow$ $v_T \uparrow$

ω is CONSTANT FOR
ALL POINTS ON A ROTATING
OBJECT